Abarna_day97

```c
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

#define MAXN 100001

int A[MAXN], B[MAXN], visited[MAXN];
int tree[MAXN][MAXN], degree[MAXN];
int operations;

void dfs(int node, int parent) {
    if (A[node] != B[node]) {
        operations++;
        for (int i = 0; i < degree[node]; i++) {
            int child = tree[node][i];
            if (child != parent && !visited[child]) {
                visited[child] = 1;
                dfs(child, node);
            }
        }
    }
}

int main() {
    int T;
    scanf("%d", &T);
    while (T--) {
        int N;
        scanf("%d", &N);
        for (int i = 1; i <= N; i++) scanf("%d", &A[i]);
        for (int i = 1; i <= N; i++) scanf("%d", &B[i]);

        memset(degree, 0, sizeof(degree));
        memset(tree, 0, sizeof(tree));
        memset(visited, 0, sizeof(visited));

        for (int i = 1; i < N; i++) {
            int u, v;
            scanf("%d %d", &u, &v);
            tree[u][degree[u]++] = v;
            tree[v][degree[v]++] = u;
        }

        operations = 0;
        visited[1] = 1;
        dfs(1, -1);
```

```c
        printf("%d\n", operations);
    }
    return 0;
}
```